

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)	Attorney Docket No.	A52 CON1
	First Named Inventor	Routkevitch
	COMPLETE IF KNOWN	
	Application Number	
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing OR <input type="checkbox"/> Declaration Submitted after Initial Filing-- surcharge 37 CFR 1.16(e) required	Filing Date	HEREWITH
	Group Art Unit	
	Examiner Name	[Not Yet Assigned]

As a below named Inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole Inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SEMICONDUCTOR AND DEVICE NANOTECHNOLOGY AND METHODS FOR THEIR
MANUFACTURE

the specification of which

☒ Is attached hereto

OR

☐ was filed on
(MM/DD/YYYY)

and was amended on
(MM/DD/YYYY)

as U.S. Application No. or
PCT International Application No.

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Appl. No.(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application nos. are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

Application Number(s) Filing Date (MM/DD/YYYY)

60/242,905

10/24/2000

DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any U.S. application(s) or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application

U.S. Parent Application or PCT Parent No.	Parent Filing Date (MM/DD/YY)	Parent Patent No. (if applicable)
10/004,258	October 24, 2001	

☐ Additional U.S. or PCT international application nos. listed on PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent Trademark Office connected therewith:

☒ Customer Number 25235 Place bar code label here 00
OR

☐ Registered practitioner(s) name/registration number listed below.

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplemental sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number OR ☐ Correspondence
or Bar Code Label address below

Name					
Address					
Address					
City		State		ZIP	
Country		Telephone		Fax	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor.

Given Name (first and middle (if any))	Family Name or Surname
Tapesh	Yadav

Inventor's Signature					Date	02-19-04	
Residence City	Niwot	State	CO	Country	USA	Citizenship	US
Post Office Address	14330 Longs Peak Court						
Post Office Address							
City	Longmont	State	CO	ZIP	80504	Country	USA

☐ Additional inventors are named on ___ supplemental additional inventor(s) sheet(s) PTO/SB/02A attached

DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any U.S. application(s) or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application

U.S. Parent Application or PCT Parent No.	Parent Filing Date (MM/DD/YY)	Parent Patent No. (if applicable)

☐ Additional U.S. or PCT international application nos. listed on PTO/SB/02B attached hereto.

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☒ Customer Number 25235 Place bar code label here ➡➡

OR

☐ Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplemental sheet PTO/SB/02C attached hereto.

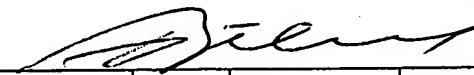
Direct all correspondence to: ☐ Customer Number OR ☒ Correspondence
or Bar Code Label address below

Name	Stuart T. Langley, Esq.				
Address	Hogan & Hartson, LLP				
Address	1200 17 th Street, Suite 1500				
City	Denver	State	CO	ZIP	80202
Country	US	Telephone	(720) 406-5335	Fax	(720) 406-5301

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor.

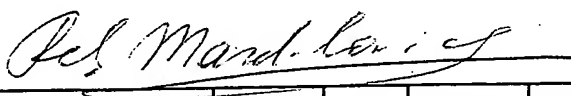
Given Name (first and middle [if any])	Family Name or Surname
Dmitri	Routkevitch

Inventor's Signature					Date	6/2/13/02	
Residence City	Longmont	State	CO	Country	USA	Citizenship	Belarus
Post Office Address	1355 Carnation Circle, Longmont, CO 80503						
Post Office Address							
City	Longmont	State	CO	ZIP	80503	Country	USA

☒ Additional inventors are named on __2__ supplemental additional inventor(s) sheet(s) PTO/SB/02A attached

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 3 of 4

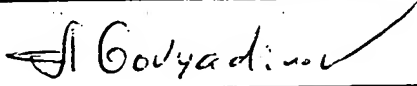
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Peter		Mardilovich					
Inventor's Signature						Date	02/06/02
Residence: City	Corvallis	State	OR	Country	US	Citizenship	Belarus
Post Office Address	4327 NW Silverbelle Place, Corvallis, OR 97330						
Post Office Address							
City	Corvallis	State	OR	ZIP	97330	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Alex		Govadinov					
Inventor's Signature						Date	
Residence: City	Corvallis	State	OR	Country	USA	Citizenship	Belarus
Post Office Address	4200 NW Walnut Blvd., #2, Corvallis, OR 97330-3283						
Post Office Address							
City	Corvallis	State	OR	ZIP	97330	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Stephanie		Hooker					
Inventor's Signature						Date	
Residence: City	Longmont	State	CO	Country	USA	Citizenship	USA
Post Office Address	3709 Chestnut Place, Longmont, CO 80503						
Post Office Address							
City	Longmont	State	CO	ZIP	80503	Country	USA

DECLARATION

ADDITIONAL INVENTOR(S)

Supplemental Sheet

Page 3 of 4

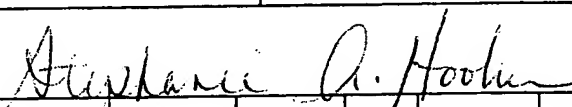
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Peter		Mardilovich					
Inventor's Signature						Date	
Residence: City	Corvallis	State	OR	Country	US	Citizenship	Belarus
Post Office Address	4327 NW Silverbelle Place, Corvallis, OR 97330						
Post Office Address							
City	Corvallis	State	OR	ZIP	97330	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Alex		Govyadinov					
Inventor's Signature						Date	02/03/02
Residence: City	Corvallis	State	OR	Country	USA	Citizenship	Belarus
Post Office Address	4200 NW Walnut Blvd., #2, Corvallis, OR 97330-3283						
Post Office Address							
City	Corvallis	State	OR	ZIP	97330	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Stephanie		Hooker					
Inventor's Signature						Date	
Residence: City	Longmont	State	CO	Country	USA	Citizenship	USA
Post Office Address	3709 Chestnut Place, Longmont, CO 80503						
Post Office Address							
City	Longmont	State	CO	ZIP	80503	Country	USA

DECLARATION

ADDITIONAL INVENTOR(S)

Supplemental Sheet

Page 3 of 4

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Peter				Mardilovich			
Inventor's Signature						Date	
Residence: City	Corvallis	State	OR	Country	US	Citizenship	Belarus
Post Office Address	4327 NW Silverbelle Place, Corvallis, OR 97330						
Post Office Address							
City	Corvallis	State	OR	ZIP	97330	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Alex				Govyadinov			
Inventor's Signature						Date	
Residence: City	Corvallis	State	OR	Country	USA	Citizenship	Belarus
Post Office Address	4200 NW Walnut Blvd., #2, Corvallis, OR 97330-3283						
Post Office Address							
City	Corvallis	State	OR	ZIP	97330	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Stephanie				Hooker			
Inventor's Signature						Date	2/7/02
Residence: City	Longmont	State	CO	Country	USA	Citizenship	USA
Post Office Address	3709 Chestnut Place, Longmont, CO 80503						
Post Office Address							
City	Longmont	State	CO	ZIP	80503	Country	USA

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 4 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Stephen S.		Williams					
Inventor's Signature	<i>Stephen S. Williams</i>					Date	04 FEB 2002
Residence: City	Longmont	State	CO	Country	US	Citizenship	USA
Post Office Address	327 Belview Court, Longmont, CO 80501						
Post Office Address							
City	Longmont	State	CO	ZIP	80501	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City							
Post Office Address							
Post Office Address							
City							
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])		Family Name or Surname					
Inventor's Signature						Date	
Residence: City							
Post Office Address							
Post Office Address							
City							

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Materials and Products Using Nanostructured Non-Stoichiometric Substances

the specification of which (I authorize Choate, Hall & Stewart to check one of the following, three choices, and fill in the blanks, if applicable):

 X is attached hereto

_____ was filed on _____ as Application Serial No. _____ and amended on _____ (if applicable).

_____ was filed as PCT international application No. _____, on _____ and was amended under PCT Article 19 on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledged the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

Priority Claimed

_____ (Number)	_____ (Country)	_____ (Day/Month/Year/Filed)	Yes	No
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_____ (Number)	_____ (Country)	_____ (Day/Month/Year/Filed)	Yes	No
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I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT, international filing date of this application:

<u> </u>	<u> </u>	<u> </u>
(Application Serial No.)	(filing date)	(status-patented, pending, abandoned)

<u> </u>	<u> </u>	<u> </u>
(Application Serial No.)	(filing date)	(status-patented, pending, abandoned)

PCT Applications designating the United States

<u> </u>	<u> </u>	<u> </u>
(PCT Appl. No.)	(U.S.S.N.)	(status-patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national filing date of this application.

Provisional Application(s):

"Materials and Products Using Nanostructured Non-Stoichiometric Substances"

<u>60/111,442</u>	<u>12/1/98</u>	<u>pending</u>
Application Number	Filing Date	Status

<u> </u>	<u> </u>	<u> </u>
Application Number	Filing Date	Status

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United State Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of first inventor: Dipesh Yadav
Inventor's signature: [Signature] Date: 8/23/99
Residence: 8724 Skyland, Longmont, CO Citizenship: USA
Post Office Address: 2620 Trade Center Ave, Longmont, CO 80503

Full name of first inventor: Ming Au
Inventor's signature: [Signature] Date: 3/22/99
Residence: 1402 Stuart St * S. Longmont CO Citizenship: CHINA
Post Office Address: 2620 Trade Center Ave, Longmont, CO 80503

Full name of first inventor: Bijan Miremadi
Inventor's signature: [Signature] Date: March 23, 99
Residence: #B-207, 2727 Nelson Rd. Citizenship: CANADA
Post Office Address: 2620 Trade Center Ave, Longmont, CO 80503

Full name of first inventor: John Freim
Inventor's signature: [Signature] Date: March 22, 1999
Residence: 3577 CARSON CIR WINDSOR CO Citizenship: USA
Post Office Address: 2620 Trade Center Ave, Longmont, CO 80503

Full name of first inventor: Yoval Avniel
Inventor's signature: [Signature] Date: 05-22-99
Residence: 204 5th Ave, Longmont CO Citizenship: USA
Post Office Address: 2620 Trade Center Ave, Longmont, CO 80503

Full name of first inventor: Roger Dirstine
Inventor's signature: [Signature] Date: 3/22/99
Residence: 2856 Kyle Circle Citizenship: USA
Post Office Address: 2620 Trade Center Ave, Longmont, CO 80503

Full name of first inventor: John Alexander
Inventor's signature: [Signature] Date: 3/22/99
Residence: 1406 PINEWOOD COURT, LONGMONT Citizenship: USA
Post Office Address: 2620 Trade Center Ave, Longmont, CO 80503

Full name of first inventor: Evan Franke

Inventor's signature: *Evan Franke* Date: 3/22/99

Residence: 453 Verdant Cr Longmont CO 80501 Citizenship: USA

Post Office Address: 2620 Trade Center Ave. Longmont, CO 80503

EXPRESS MAIL NO. E1961393708us
Attorney Docket No. A52 CON 1
Client/Matter No. 80741.0029.001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Yadav, et al.

Serial No.

Filed: HEREWITH

For: SEMICONDUCTOR AND DEVICE
NANOTECHNOLOGY AND METHODS FOR
THEIR MANUFACTURE

Group Art Unit:

Examiner:

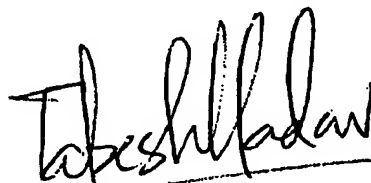
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

STATEMENT OF TAPESH YADAV

DEAR SIR:

As a result of claims presented in this continuing patent application that were disclosed but not claimed in the parent application, U.S. Patent application Serial No. 10/004,258 filed on October 24, 2001, entitled "NANOSTRUCTURED CERAMIC PLATFORM FOR MICROMACHINED DEVICES AND DEVICE ARRAYS", I was not listed as an inventor of the parent application and now must be added as an inventor in the continuing application entitled "SEMICONDUCTOR AND DEVICE NANOTECHNOLOGY AND METHODS FOR THEIR MANUFACTURE" filed herewith. This omission was made without deceptive intent. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date: 02-19-04



Tapeshe Yadav